

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:  
Date: October 22, 2004 Name: Gustavo Siller, Jr., Reg. No. 32,305 Signature:

**BRINKS  
HOFER  
GILSON  
& LIONE**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Appln. of: Naoya Hasegawa et al.

Appln. No.: 10/017,301

Filed: December 14, 2001

For: Magnetic Sensing Element with Improved Sensitivity and Method for Making the Same

Attorney Docket No: 9281/4209

Examiner: Kevin M. Bernatz

Art Unit: 1773

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL**

Sir:

**Attached is/are:**

Response to Office Action of July 22, 2004  
 Return Receipt Postcard

**Fee calculation:**

No additional fee is required.  
 Small Entity.  
 An extension fee in an amount of \$\_\_\_\_ for a \_\_\_\_-month extension of time under 37 C.F.R. § 1.136(a).  
 A petition or processing fee in an amount of \$\_\_\_\_ under 37 C.F.R. § 1.17(\_\_\_\_).  
 An additional filing fee has been calculated as shown below:

	Claims Remaining After Amendment	Minus	Highest No. Previously Paid For	Present Extra	Small Entity		Not a Small Entity		
					Rate	Add'l Fee	or	Rate	Add'l Fee
Total	17	Minus	26	0	x \$9=			x \$18=	
Indep.	1	Minus	3	0	x 44=			x \$88=	
First Presentation of Multiple Dep. Claim					+\$150=			+\$300=	
					Total	\$	Total	\$	

**Fee payment:**

A check in the amount of \$\_\_\_\_ is enclosed.  
 Please charge Deposit Account No. 23-1925 in the amount of \$\_\_\_\_. A copy of this Transmittal is enclosed for this purpose.  
 Payment by credit card in the amount of \$\_\_\_\_ (Form PTO-2038 is attached).  
 The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

Gustavo Siller, Jr. (Reg. No. 32,305)

10/22/04  
Date



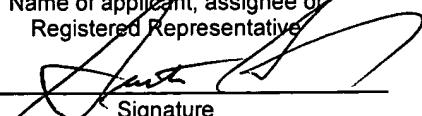
I hereby certify that this correspondence is being deposited with the United States Postal Service, with sufficient postage, as first class mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
on September 20, 2004

Date of Deposit

Gustavo Siller, Jr.

Name of applicant, assignee or  
Registered Representative

  
Signature

Date of Signature

Our Case No. 9281-4209  
Client Reference No. N US 00114

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Naoya Hasegawa et al. )  
Serial No. 10/017,301 )  
Filing Date: December 14, 2001 ) Examiner: Kevin M. Bernatz  
For: Magnetic Sensing Element with Improved )  
Sensitivity and Method for Making the ) Group Art Unit: 1773  
Same )

### RESPONSE TO OFFICE ACTION OF JULY 22, 2004

### AND INTERVIEW SUMMARY

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313 - 1450

Dear Sir:

This is in Reply to the Patent Office Action, mailed on July 22, 2004 in the above referenced application. A phone interview was initiated by the Applicants and held on September 16, 2004. Applicants respectfully request reconsideration, reexamination of Claims 1 – 16 in view of the following amendments and remarks.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments begin on page 6 of this paper.**